

December 18, 2012

To: High Speed Rail Authority

Subject: **CALIFORNIA HIGH-SPEED TRAIN PROJECT  
REQUEST FOR PROPOSAL  
FOR DESIGN-BUILD SERVICES  
RFP NO.: HSR 11-16  
Scope of Work**

City of Fresno Department of Public Utilities Wastewater Management Division Comments

Please review the following comments:

1. Any proposed change in direction of any sewer line must include a manhole at that location and the manhole must be in a location that has ready access for maintenance.
2. Drawing number UT-C4054 – The proposed relocation of the 12" sewer line on the top of the page near the table must be modeled to determine if the downstream sewer pipes are sized to handle the additional flows.
3. Drawing number UT-C4055 – The proposed relocation of the 4"-10" sewer lines on the bottom right of the page near the scale must be modeled to determine if the downstream sewer pipes are sized to handle the additional flows.
4. Drawing number UT-C4056 – The proposed relocation of the 4"-10" sewer lines continued from page UT-C4055 must be modeled to determine if the downstream sewer pipes are sized to handle the additional flows.
5. Drawing number UT-C4060 – The proposed relocation of the 18" sewer line identified as No. 12 must be modeled to determine if the downstream sewer pipes are sized to handle the additional flows.
6. Drawing number UT-C4004 and UT-C4006 – Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR on this page there is a 54" diameter sewer line.
7. Drawing number UT-C4012 – Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR on this page there is a 39" diameter sewer line.

8. Drawing number UT-C4022 – Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR on this page there is a 45" diameter sewer line.
9. Drawing number UT-C4038 – Wastewater (WW) requires an additional steel casing in place next to each sewer crossing under the HSR on this page there is a 42" diameter sewer line.
10. Drawing number UT-C4042 – Follow the 8" sewer line to be removed down to the South where it is shown to diagonal to the Southwest. This connection is not show per the as built drawings. It should not affect the construction.
11. Drawing number UT-C4043 – Refer to the point where the sewer lines in N. Palm Ave. and N. H Street meet. This intersection is in a rather large underground vault, not the typical manhole. Also refer to the Manhole between the UPRR and the HSR for the proposed 30" sewer. This location is absolutely unacceptable. All existing and new manholes must be outside the UPRR and HSR ROW.
12. Drawing number UT-C4044 – The proposed relocation of the 10" and 12" sewers shown as numbers 9 and 10 must be modeled to determine if the downstream sewer pipes are sized to handle the additional flows.
13. Drawing number UT-C4051 – The 8" sewer referenced as No. 5 to be removed. What are the provisions for this flow in the future?
14. Drawing number UT-C4053 – The 8" sewer referenced as No. 4 is to be replaced with a 30" sewer referenced as No. 1.

Thank you,

Kevin Norgaard  
Supervising Professional Engineer  
City of Fresno-DPU Wastewater Management Division  
5607 West Jensen Avenue  
Fresno, CA 93706  
Tel. 559-621-5297  
Fax.559-498-1700